| Inde | ex of | Claims |  |
|------|-------|--------|--|
|      |       |        |  |

| Application No. | Applicant(s)       |  |  |  |  |  |  |  |
|-----------------|--------------------|--|--|--|--|--|--|--|
| 10/021,012      | YASUKAWA, MASAHIRO |  |  |  |  |  |  |  |
| Examiner        | Art Unit           |  |  |  |  |  |  |  |
| Mike Qi         | 2871               |  |  |  |  |  |  |  |

| 7 | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ī | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

|          |                 |                                 | _  |          |          |                                     | J   |  |  | L                 |   |          |          |          |          |   |              | ]              | L             |
|----------|-----------------|---------------------------------|----|----------|----------|-------------------------------------|---|--|--|-------------------|---|----------|----------|----------|----------|---|--------------|----------------|---------------|
| Ci       | aim             | _                               |    |          | _        | Dat                                 |   |  |  |                   | 1 | Cla      | aim      |          |          |   | -            | Date           | _             |
| - 016    |                 | -                               |    |          | Τ-       | Tai                                 | _   | $\overline{}$                                    | Τ  |                   | 1 | Cic      |          | -        | _        | _   | г-           | Jak            | _             |
| Final    | Original        | port-1                          |    |          |          |                                     |   |  |  |                   |   | Final    | Original |          |          |   |              |                |               |
| $\vdash$ | ①               | 7                               |    |          |          | ┢                                   | _   |  |  |                   |   |          | 51       |          |          | $\vdash$  |              | Н              | H             |
|          | 2               | 1                               |    |          | <u> </u> | 1                                   |   | 1  |  |                   | 1 |          | 52       |          |          | _   |              |                | T             |
|          | 3               | <b>√</b>                        |    |          |          |                                     |   |  |  |                   | 1 |          | 53       |          |          |   |              |                | Г             |
|          | 2<br>3<br>4     | V                               | ٠. |          |          |                                     |   |  |  |                   | 1 |          | 54       |          |          |   |              |                | Г             |
|          | ן ס             | V                               |    |          |          | П                                   |   | Γ  |  |                   | 1 |          | 55       |          |          |   |              |                | Γ             |
|          | 6               | <b>V</b>                        |    |          |          |                                     |   |  |  |                   |   |          | 56       |          |          |   |              |                |               |
|          | Ø               | マ                               |    |          |          |                                     |   |  |  |                   |   |          | 57       |          |          |   |              |                |               |
| L        | 8               | ٧                               |    |          |          |                                     |   |  |  |                   |   |          | 58       |          |          |   |              |                | L             |
| <u> </u> | 9               | V                               |    |          |          | L                                   | $ldsymbol{ld}}}}}}$ |  |  | $ldsymbol{f eta}$ |   |          | 59       |          | _        | $ldsymbol{ld}}}}}}$ |              | Ш              | L             |
| ļ        | (10)            | ٧                               |    |          |          | L                                   | <u> </u>  | _  |  | <u> </u>          |   |          | 60       | _        | _        |   | _            | Ш              | L             |
| <u> </u> | 11              | V                               |    | L.       | <u> </u> |                                     | _   | L.   | -  |                   |   |          | 61<br>62 |          | <u> </u> | _   |              |                | L             |
|          | (2)             | マ                               |    | <u> </u> | ├-       | <u> </u>                            |   | _  | -  |                   |   |          | 62       | _        | <u> </u> | <u> </u>  | _            | $\vdash$       | -             |
| <u> </u> | 13<br>(4)<br>15 | V                               |    | <u> </u> | _        | -                                   | _   | -  | <del> </del>                                     | _                 |   |          | 63       | -        | _        | ⊢   | -            |                | -             |
| -        | 15              | $\frac{\checkmark}{\checkmark}$ |    |          | ├-       | <del> </del>                        | -   | ├—   | -  | -                 |   |          | 64<br>65 | _        | -        | <del> </del>  | _            | -              | -             |
|          | 16              | V                               |    | ⊢        | ⊢        | ├                                   | <u> </u>  | -  | <del> </del> —                                   |                   |   |          | 66       | _        |          |   | <del> </del> |                | H             |
|          | 17              |                                 |    |          | -        | ⊢                                   | ┢   | -  | ├  |                   |   |          | 67       | -        | _        | $\vdash$  |              |                |               |
|          | 18              |                                 | -  | $\vdash$ |          | ┢                                   |   |  |  | -                 |   |          | 68       |          |          |   |              |                |               |
|          | 19              |                                 |    | $\vdash$ |          |                                     |   |  |  | $\vdash$          |   |          | 69       | H        |          |   | Н            | Н              |               |
| -        | 20              |                                 |    | ┢        | ┢        | ┢                                   | ┢   | $\vdash$   | $\vdash$   | ┝                 |   |          | 70       |          | $\vdash$ | $\vdash$  | $\vdash$     | $\vdash$       | _             |
|          | 21              |                                 | _  | _        | _        | 1                                   | -   | <del>                                     </del> | -  |                   |   |          | 71       |          | -        |   |              |                |               |
|          | 22              |                                 |    | $\vdash$ | -        | T                                   | _   | $\vdash$   | <del>                                     </del> | $\vdash$          |   |          | 72       |          |          |   |              |                |               |
|          | 23              |                                 |    |          |          |                                     |   |  |  |                   |   |          | 72<br>73 |          |          |   |              | П              |               |
|          | 24              |                                 |    |          |          |                                     |   |  |  |                   |   |          | 74       |          |          |   |              |                |               |
|          | 25              |                                 |    | <u> </u> |          |                                     |   |  |  |                   |   |          | 75       |          |          |   |              |                |               |
|          | 26              |                                 |    | _        |          |                                     |   |  |  | <u>_</u>          |   |          | 76       | Ш        |          |   |              |                | L             |
| <u> </u> | 27              |                                 |    | <u> </u> | _        | _                                   | _   |  | <u> </u>   | <u> </u>          |   |          | 77       |          | _        | _   | _            |                |               |
| -        | 28              |                                 |    |          | <u> </u> |                                     | <u> </u>  | _  | _  | <u> </u>          |   |          | 78       | _        |          |   | <u> </u>     | -              | _             |
| -        | 29              |                                 | _  |          | <u> </u> | <u> </u>                            | _   | ⊢  | _  | <u> </u>          |   |          | 79       | <u> </u> |          | <u> </u>  | <u> </u>     | -              | _             |
| -        | 30              |                                 | _  | ⊢        | -        | _                                   | <u> </u>  | <del> </del>                                     | ⊢  | ⊢                 |   |          | 80<br>81 | $\vdash$ | _        | _   | _            | -              | -             |
|          | 32              | _                               | _  | -        | -        | -                                   |   | ⊢  | -  | -                 |   |          | 82       | -        | _        | -   | -            |                | -             |
|          | 33              |                                 |    | _        |          | -                                   |   | -  | $\vdash$   | -                 |   |          | 83       | Н        |          | -   | -            | H              | H             |
|          | 34              |                                 |    |          |          |                                     | _   | _  | $\vdash$   | H                 |   |          | 84       | Н        | _        | $\vdash$  | $\vdash$     | Н              | ┝             |
| -        | 35              |                                 | _  | _        | _        |                                     |   | $\vdash$   | $\vdash$   |                   |   |          | 85       | $\vdash$ |          | -   | -            |                | ┝             |
|          | 36              |                                 |    | _        | _        |                                     | _   |  | -  |                   |   |          | 86       | Н        | _        |   | _            |                | -             |
|          | 37              |                                 |    |          | Г        |                                     |   |  |  |                   |   |          | 87       | П        |          | H   |              | П              | T             |
|          | 38              | _                               | _  |          |          |                                     | _   |  |  |                   |   |          | 88       |          |          |   |              | П              | $\overline{}$ |
|          | 39              |                                 |    |          |          |                                     |   |  |  |                   |   |          | 89       |          |          |   |              |                |               |
|          | 40              |                                 |    |          |          |                                     |   |  |  |                   |   |          | 90       |          |          |   |              |                |               |
|          | 41              |                                 |    | L_       |          |                                     |   |  |  |                   |   |          | 91       |          |          |   |              | Ш              | L             |
|          | 42              |                                 |    |          | _        | <u></u>                             |   |  |  |                   |   |          | 92       |          |          |   |              | Ш              | L             |
|          | 43              |                                 |    | _        | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _   | <u> </u>   |  |                   |   |          | 93       |          |          | _   |              |                | _             |
| _        | 44              | -                               |    | -        | -        | <u> </u>                            | <u> </u>  | $\vdash$   | $\vdash$   |                   |   | -        | 94       | $\vdash$ |          | H   | $\vdash$     |                |               |
| -        | 45<br>46        | =                               |    | H        | H        | $\vdash$                            | <u> </u>  | $\vdash$   | $\vdash$   |                   |   | $\dashv$ | 95       | H        |          |   | $\vdash$     | $\vdash\vdash$ |               |
| $\vdash$ | 46<br>47        | _                               | _  | $\vdash$ | $\vdash$ |                                     | <del> </del>  | -  | -  | $\vdash$          |   |          | 96<br>97 | Н        | _        | $\vdash$  | $\vdash$     | $\vdash$       | $\vdash$      |
| $\vdash$ | 47              | _                               |    | $\vdash$ | $\vdash$ | $\vdash$                            | <u> </u>  | $\vdash$   | $\vdash$   | <u> </u>          |   |          | 98       | Н        |          | $\vdash$  | Н            | $\vdash$       | $\vdash$      |
| -        | 49              | =                               |    | $\vdash$ |          | $\vdash$                            |   | $\vdash$   | H  |                   |   |          | 99       | $\vdash$ |          |   |              | $\vdash$       | $\vdash$      |
| $\vdash$ | 50              | -                               | -  | -        | -        | -                                   | -   | $\vdash$   | $\vdash$   | -                 |   |          | 100      | $\vdash$ |          | -   | Н            | $\vdash$       | -             |
|          |                 |                                 |    | L        | Ц        | Ц                                   |   |  | لـــا  |                   |   |          |          | لـــا    |          | نـــا   | ш            |                |               |

| CI          | aim                             | Date                                |                |              |          |              |          |              |  |          |
|-------------|---------------------------------|-------------------------------------|----------------|--------------|----------|--------------|----------|--------------|--|----------|
|             | I                               |                                     |                | Π            |          |              |          |              | Γ  |          |
| ā           | Original                        | l                                   |                |              |          |              |          |              |  |          |
| Final       | ij                              |                                     |                |              |          |              |          |              |  |          |
| -           | Ō                               | 1                                   |                | 1            |          |              |          |              |  |          |
| -           | 101                             | -                                   | -              | $\vdash$     | $\vdash$ | -            |          | $\vdash$     | ┢  | -        |
| <u> </u>    | 102                             | ├                                   | -              | ┢            | -        | -            | -        | -            | ┢  |          |
| -           | 103                             | -                                   | -              | ├─           | -        | ├─           | -        | -            | ┝  | Н        |
| <del></del> | 103                             | ├                                   | ⊢              | ⊢            |          | $\vdash$     |          | -            | ┢  | -        |
|             | 105                             | ├—                                  | _              | $\vdash$     | _        | -            | -        | <del> </del> | ├  | -        |
| -           | 105                             | ⊢                                   | -              | ├            | _        | -            |          |              | -  | Н        |
| <u> </u>    | 106<br>107                      |                                     | <del> </del> — | -            | _        | <u> </u>     |          | <del> </del> | ┝  | Н        |
| <u> </u>    | 107                             | <u> </u>                            | <del> </del>   | <del> </del> | <u> </u> | <del> </del> | <u> </u> | ⊢            | <del>                                     </del> | Н        |
| <u> </u>    | 108                             | <u> </u>                            | _              | <u> </u>     | _        | <u> </u>     | _        | _            | ┡  | Ш        |
| <u> </u>    | 109<br>110                      | _                                   | _              | <u> </u>     | <u> </u> | <u> </u>     | <u> </u> | <u> </u>     | _  | Ш        |
| <u></u>     | 110                             | _                                   | <u> </u>       | L            | <u></u>  | <u> </u>     |          | _            | _  | Ш        |
| <u></u>     | 111                             | <u> </u>                            | <u> </u>       | <u> </u>     | <u> </u> | <u> </u>     | <u> </u> | <u> </u>     | _  | Щ        |
|             | 112                             | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>       | _            | _        | <u> </u>     |          | <u> </u>     | <u> </u>   | Ш        |
|             | 113                             | <u>_</u>                            | _              | <u></u>      |          | <u></u>      | <u> </u> | <u> </u>     | L_   |          |
|             | 111<br>112<br>113<br>114<br>115 | _                                   |                |              | L_       | _            |          | <u></u>      | _  | Ш        |
|             | 115                             |                                     |                |              |          |              |          |              |  |          |
|             | 116                             | L                                   |                | $\Box$       | L        |              |          |              | L  |          |
|             | 117<br>118                      | L                                   |                |              |          |              | Ĺ        |              |  |          |
|             | 118                             |                                     |                |              |          | Г            |          |              |  |          |
|             | 119                             |                                     |                |              |          |              |          |              | Π  |          |
|             | 120<br>121                      | Г                                   | Г              | $\Box$       |          | Г            |          |              | _  |          |
|             | 121                             | Г                                   |                |              |          |              |          |              |  |          |
|             | 122                             | $\vdash$                            | -              |              | _        | $\vdash$     |          | ┢            | ┢  |          |
|             | 123                             | $\vdash$                            | $\vdash$       |              | $\vdash$ | $\vdash$     |          | $\vdash$     | H  | Н        |
|             | 122<br>123<br>124               | $\vdash$                            | $\vdash$       |              | $\vdash$ | $\vdash$     | _        | $\vdash$     | ┢  | Н        |
|             | 125                             | $\vdash$                            |                | $\vdash$     | _        |              |          | $\vdash$     | $\vdash$   | Н        |
|             | 125<br>126                      | H                                   | $\vdash$       | Н            | -        |              |          | ┝            | $\vdash$   | Н        |
|             | 127                             | ⊢                                   | ┝              | $\vdash$     | $\vdash$ | $\vdash$     | -        | ┢            | ├─   | Н        |
| $\vdash$    | 127                             | $\vdash$                            |                | Н            | _        | $\vdash$     | _        | ├-           | ├─   |          |
| -           | 128<br>129<br>130               | -                                   | <del> </del> — | -            | _        | -            | _        | $\vdash$     | $\vdash$   | Н        |
| <u> </u>    | 129                             | -                                   | -              |              | _        | ⊢            | _        | $\vdash$     | ⊢  | Н        |
|             | 130                             | _                                   | -              | -            | _        | -            | _        | $\vdash$     | ┝  | Н        |
| _           | 131<br>132                      | <u> </u>                            | -              | -            |          | _            |          | <u> </u>     | _  | Н        |
|             | 132                             |                                     | <u> </u>       | H            |          | ļ            |          |              |  | Ш        |
| $\vdash$    | 133<br>134                      | <u> </u>                            | <u> </u>       |              | <u> </u> | <u> </u>     | _        | <u> </u>     | ⊢  | Щ        |
|             | 134                             | <u> </u>                            | <u> </u>       | $\vdash$     | <u> </u> | $\vdash$     | <u> </u> | <u> </u>     | <u> </u>   | Ш        |
|             | 135                             | _                                   | <u> </u>       | Щ            |          | <u> </u>     |          |              | <u> </u>   | Ш        |
| $\vdash$    | 136                             |                                     |                | Ш            |          | Щ            |          |              |  |          |
|             | 137                             | L_                                  | L_             | lacksquare   | L        | $\sqcup$     |          | <u> </u>     | <u> </u>   |          |
| L           | 138                             |                                     | <u> </u>       |              |          |              |          | <u> </u>     |  |          |
|             | 139                             |                                     | L              |              |          |              |          |              | _  |          |
|             | 140                             |                                     |                |              |          |              |          |              |  |          |
|             | 141                             |                                     |                |              |          |              |          |              |  |          |
|             | 142                             |                                     |                |              |          |              |          |              | L  |          |
|             | 143                             |                                     |                |              |          |              |          |              |  |          |
|             | 144                             |                                     |                |              |          |              |          |              |  |          |
|             | 145                             |                                     |                | П            |          |              |          |              |  |          |
| П           | 146                             |                                     |                | П            |          |              |          | П            |  | $\dashv$ |
| П           | 147                             | _                                   | П              | М            | _        | Н            |          |              |  | $\dashv$ |
| $\Box$      | 148                             | _                                   | Н              | Н            |          | Н            | _        | $\vdash$     | $\vdash$   | $\dashv$ |
| $\vdash$    | 149                             |                                     | Н              | $\vdash$     |          | $\vdash$     |          | $\vdash$     |  | $\vdash$ |
| $\vdash$    | 150                             | _                                   | $\vdash$       | $\vdash$     | $\vdash$ | $\vdash$     |          | $\vdash$     | <del> </del>                                     | $\dashv$ |
|             | -130                            |                                     | Щ              |              |          | اـــا        | _        | L            | _  | لــــا   |